MA3D755 (MA7D55)

Silicon epitaxial planar type (cathode common)

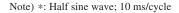
For switching mode power supply

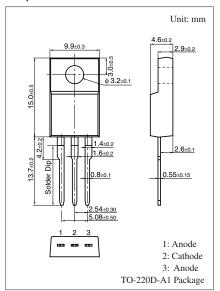
■ Features

- Low forward voltage V_F
- High dielectric breakdown voltage: > 5 kV
- Easy-to-mount, due to its V cut lead end

■ Absolute Maximum Ratings $T_C = 25$ °C

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	V _{RRM}	60	V
Forward current (Average)	I _{F(AV)}	5	A
Non-repetitive peak forward surge current *	I_{FSM}	90	A
Junction temperature	T _j	-40 to +125	°C
Storage temperature	T _{stg}	-40 to +125	°C





■ Electrical Characteristics $T_C = 25^{\circ}C \pm 3^{\circ}C$

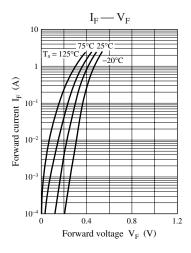
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F}	$I_F = 2.5 \text{ A}$			0.58	V
Reverse current	I_R	$V_R = 60 \text{ V}$			1	mA
Thermal resistance (j-c)	R _{th(j-c)}				3.0	°C/W

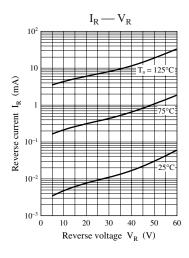
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

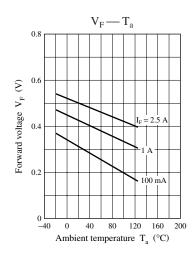
Note) The part number in the parenthesis shows conventional part number.

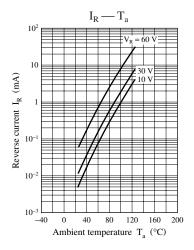
^{2.} Absolute frequency of input and output is 200 MHz.

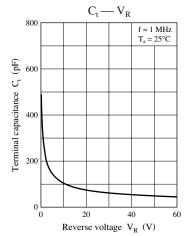
Panasonic

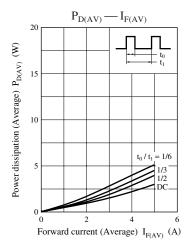


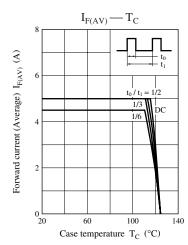












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